

Title (en)

COOLED POCKET IN A TURBINE VANE PLATFORM

Title (de)

GEKÜHLTE TASCHE IN EINER TURBINENSCHAUFELPLATTFORM

Title (fr)

POCHE REFROIDIE DANS UNE PLATE-FORME D'AUBE DE TURBINE

Publication

EP 2975222 A1 20160120 (EN)

Application

EP 15176674 A 20150714

Priority

US 201462023991 P 20140714

Abstract (en)

An airfoil (62) includes a platform (64) including a pocket (72), a continuous solid cover plate (74) bonded over the pocket (72), and a plurality of apertures (80, 82) in the platform (64) in fluid communication with the pocket (72) and adjacent the continuous solid cover plate (74). A gas turbine engine including the airfoil and a method of cooling an article of a gas turbine engine are also disclosed.

IPC 8 full level

F01D 9/04 (2006.01)

CPC (source: EP US)

F01D 5/18 (2013.01 - US); **F01D 9/041** (2013.01 - EP US); **F05D 2240/81** (2013.01 - EP US); **Y02T 50/60** (2013.01 - EP US)

Citation (search report)

- [X] US 2012121415 A1 20120517 - BRITTINGHAM ROBERT ALAN [US], et al
- [X] EP 2469034 A2 20120627 - UNITED TECHNOLOGIES CORP [US]
- [X] WO 02092970 A1 20021121 - PRATT & WHITNEY CANADA [CA]
- [XI] US 2006269409 A1 20061130 - TORII SHUNSUKE [JP], et al

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

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DOCDB simple family (application)

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